PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant 8399-010-	's or agent's file reference 228	FOR FURTHER ACTION		cation of Transmittal of International Search orm PCT/ISA/220) as well as, where applicable, ow.			
Internation PCT/US0	nal application No. 3/30737	International filing date (day/mont 26 September 2003 (26.09.2003)		(Earliest) Priority Date (day/month/year) 26 September 2002 (26.09.2002)			
Applicant UNIVERSITY OF MARYLAND BIOTECHNOLOGY INSTITUTE							
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.							
This international search report consists of a total of 2 sheets. It is also accompanied by a copy of each prior art document cited in this report.							
 Basis of the Report a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item. 							
b.	the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)). b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:						
	contained in the international application in written form.						
	filed together with the international application in computer readable form.						
닏	furnished subsequently to this Authority in written form.						
	furnished subsequently to this Authority in computer readable form.						
	the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
	the statement that the information been furnished.	ation recorded in computer readable	form is ide	entical to the written sequence listing has			
2.	Certain claims were found u	unsearchable (See Box I).					
3.	Unity of invention is lacking (See Box II).						
4. With	regard to the title,						
H	the text is approved as submit						
	the text has been established b	by this Authority to read as follows:					
5. With a	regard to the abstract,						
\boxtimes	the text is approved as submit	ted by the applicant.					
	the text has been established,	according to Rule 38.2(b), by this A	uthority as arch report	s it appears in Box III. The applicant may, submit comments to this Authority.			
6. The fi	gure of the drawings to be publi	shed with the abstract is Figure No.		<i>'</i>			
	as suggested by the applicant.			None of the figures			
Ц	because the applicant failed to	suggest a figure.					
	because this figure better chara	acterizes the invention.					

Form PCT/ISA/210 (first sheet) (July 1998)

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/30737

A. CLA	SSIFICATION OF SUBJECT MATTER						
IPC(7) : C12P 21/06							
US ČL : 435/ 69.1							
According to International Patent Classification (IPC) or to both national classification and IPC							
B. FIELDS SEARCHED							
Minimum documentation searched (classification system followed by classification symbols) U.S.: 435/69.1, 424/49, 424/59							
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched CHEMICAL ABSTRACTS							
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST							
C. DOC	C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where	Relevant to claim No.					
A	US 6,638,621 B2 (ANDERSON et al.) 28 Octobe	1-16					
A	US 6,562,363 B1 (MANTELLE et al.) 13 May 20	1-16					
A	US 6,245,901 B1 (VON DER OSTEN et al.) 12 J	1-16					
A	US 4,148,689 A (HINO et al.) 10 April 1979, see	1-16					
A	US 5,015,576 A (NILSSON et al.) 14 May 1991,	1-16					
Α	US 6,623,950 B1 (VON DER OSTEN et al.) 23 S	1-16					
Further	documents are listed in the continuation of Box C.	See patent family annex.					
* Sp	ecial categories of cited documents:	"T" later document published after the inter	national filing date or priority				
"A" document of particular	defining the general state of the art which is not considered to be ar relevance	date and not in conflict with the applica principle or theory underlying the inver	tion but cited to understand the tion				
	lication or patent published on or after the international filing date	"X" document of particular relevance; the cl considered novel or cannot be considered when the document is taken alone	laimed invention cannot be ed to involve an inventive step				
"L" document of establish the specified)	which may throw doubts on priority claim(s) or which is cited to be publication date of another citation or other special reason (as	"Y" document of particular relevance; the cl considered to involve an inventive step	when the document is				
	referring to an oral disclosure, use, exhibition or other means	combined with one or more other such or being obvious to a person skilled in the	documents, such combination				
"P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent fa	mily				
Date of the act	tual completion of the international search	Date of mailing of the international search	report				
24 January 2004 (24.01.2004)		13 AUG 2004					
	ling address of the ISA/US	Authorized officer	100 ()				
_	Stop PCT, Attn: ISA/US missioner for Patents	Knatol Smanhair-Shah/Que/NU	We In				
P.O. Alexa	Box 1450 andria, Virginia 22313-1450	Telephone No. (703)308-0196	701				
rm PCT/(SA/2)10 (second short) (but 1999)							

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